(22)

C. M. 1908

269 of 08

Sh. No. 1-22

"Application of John Blum of 7 Rue St Bonjean Brussels Dr. of Chemistry and Alfred William Carpenter of 28 Bedford St London Bankers for leave to file a Specifications in respect of an Invention for ~~Improvements~~ Improvements in and relating to the manufacture of Artificial Para Rubber"

G. R. S. 59]

# GENERAL AND REVENUE SECRETARIAT.

**1908-9**

( Genl. Mis. )

**File No.** 269-08

**Serial Nos.** 1-22

## Papers Filed.

***Month*** June '09

SUBJECT.

Application of John Blum of 7 Rue St- Boniface, Brussels, Dr of chemistry and Alfred William Carpenter of 28 Bedford St- London, Banker, for leave to file a Specification in respect of an Invention for — "Improvements in and relating to the manufacture of Artificial Para Rubber"

| PREVIOUS REFERENCES. | LATER REFERENCES. |
| --- | --- |
| | |

Serial No. 3787

Right in this matter to Messrs A. W. Carpenter of London. Both the above appoint an agent Messrs Rowfey & Son of Calcutta to carry on transaction in this matter.

It is stated in the application that no application is made for letters patent in the United Kingdom, but nothing has been said regarding the application & in this behalf having been made in the British India.

This latter information is to be known from Messrs Rowfey & Son.

Meanwhile, both the assignment deed & power of attorney may be got stamped, application fee remitted and an order obtained called for.

4 Drafts accd are sent up as follows:—

1) Forwarding the above documents to the Stamped to the Supdt of Stamps
2) Remitting Rs 10 to the Honorary
3) Forwarding for obtaining the Sanction of the Supdt of Govt Gardens
4) Addressing Messrs Rowfey & Son informing certain steps being furnished

Submit 2. Issue the drafts
12.3.09 pursue. Take also the opinion of Dr Coleman, when

13/3/09



GPB—50.000—13-5-08

G. R. S. 12]
General and Revenue Secretariat.

4030

Gm File No. 269 of 1908

(3

| Serial No. | |
|---|---|
| 2 | To the Officer in charge S.H. Dy. no 5318 of 19.3.09 Forwards for credit into the Dy. the sum of Rs 10 received with the applt. |
| 3 | To the Supdt of Stamps. 5321 of 19.3.09 Forwards for stamping the Power of attorney & the Deed of Assignment together with the fee of Rs 1.8—0. |
| 4 | To the Asst Superintendent. no 5320 of 19.3.09 Forwards a copy of the specification of the invention for enquiry and report. |
| 5. | To messrs Rumsey & Sen. no 5321 of 19.3.09 Enquires whether any application in respect of the invention has been made in British India and returns the excess stamp fee of Rs 8. (less. m.o. com:). |
| 6. | To. The Officer in charge of the Treasury no 302 d 20.3.09 Acknowledges the receipt of fee Rs 10 sent with Sl 2 above. |
| 7. | To. The Supt of Stamps — no 195 d 20.3.09 Returns duly stamped the power of attorney and the deed of assignment sent with Sl 3 above. |
| | 8. Applt acknowledgment for the receipt of the documents mentioned in Sl 7 above, is sent. |

(Sd 21.3.09)

4. Issue

Sd

17/IV09

D 4091

3

NOTE—Contn sheet.

GPB—50 000—17-3-07

G. R. S. 12]
General and Revenue Secretariat.

Gpu File No. 269 of 1908-09

| Serial No. | |
|---|---|
| 10 | To the Mycologist and Entomologist No 9.5789/21/24/09<br>forwards the above application for opinion as to whether the specification of the invention referred to therein may be filed. |
| 11 | To the Mycologist and Entomologist No 564 d 16/4/09<br>Returns with certain remarks the Specification sent for opinion with 81 to above & Dr Coleman is not eminently impressed much with the Specification. He says that there are many scientific inaccuracies in the description, that the statement "that a flame must not be brought near the Chamber &c" is absurd; that heater turf is are necessary to the process which are not found in the forms in mysore &c. But he does not say anything about leave to file a Specification being granted. On the other hand, the Supt of Govt Gardens who was also consulted in the matter says that there is nothing in our Invention & Designs Regn to prevent the filing of the patent application. But he also concurs in the opinion of Dr Coleman that the description of the Invention is not accurate. |
| | May the applicant be informed that the |

Flag N.

Flag O

NOTE—Contn. sheet.

GPB—50.000—13-5-08

G.R.S. 12]
General and Revenue Secretariat.

G M File No. 269 of 1908-09

| Serial No. | |
|---|---|
| 4495 | above inaccuracies add. added to Ses amended application ~~and to repeat~~ rejected the application (on the score that it is in conformity with the conditions laid down in art 5(3) & 9(3)? or may a Copy of the order of Govt of India granting leave to file a specification be called for as it is stated that an application in the matter has been made to that Govt also? |
| Copy to Regr. | Submitted for orders |
| | (Sd/- 23.4.09) 9. We are not concerned with the merit of the inventions, provided they are new ~~or~~ & do not infringe existing patents &c. Permission may be granted |
| 6 23/4 | GBZ 23/4 |
| | 10 Off order with a Covering letter is submitted for approval |
| | (Sd/- 26.4.09) 11 Issue GBZ 27/4 |
| | 12. To Messrs John Blum & Alfred W. Carpenter. G 6235 1.5.09. grants them leave to file a specification of an invention |
| | 13. To Messrs Rempfrey & Son: G 6236 1.5.09 – forwards a Copy of Sl. 12. |
| | 14. Fr. the above Sols letter dated 26.5.09 files the specification & forwards 4 Copies of the same & Send Rs 30 |

NOTE—Contn. sheet.

GPB—50.000—13-5-08

Serial No.

5282

for filing the Specification under cl 24

11 The letter under disposal is dated 26.5.09 and Messrs Rempfry & Sonnegret that the date of filing the Specification may be taken as 29th May 09. But it was actually received in this Office on the 31st May as noted in the letter or on the 30th May as the Bangalore postal Stamp on the tube containing the copies of Specifications shows. Orders are solicited as which date is to be taken as the date of filing the Specification.

Wrapper should be attached to the paper under disposal

Cg (2.6.09) 12 The date when the letter was actually received in the Office is to be adopted. I believe the Regulation itself says so. Please verify. See sec 10. The date of receipt should be entered in ink on the upper

Cg 3/6/09

Cg 3/6

13 The date of the letter being 31.5.09, it is taken as the date of filing. The usual Draft notification, Draft letter forwarding a copy of it to the abstr, a Draft to the remitting the fee to the Dy & another forwarding for record a copy of the Specification to the State Geologist, Chief Engr. & the Superintg Engr, Museum are submitted herewith.

P.T.O

NOTE—Contn. sheet.

GPB—50.000—13-5-08

| Serial No. | |
|---|---|
| 2 Dy N<br>Dy S | Dft order requires initial & the order issued to the Asst granting permission to file a specification is also submitted for signature at the foot of the certificate, in which it is submitted an initial may kindly be made in the 4th line, as "Strut" for "St-" was wrongly entered by J.S. which is now corrected by dropping the last four letters in "Strut". |
| | (Dy 7/6/09) VS 14 Issue drafts. |
| | See last para of Remfry & Sons letter & enter in address Reg. |
| | Dy 8/6 |
| 15 | To the Off in charge of the State Assignee Trgr No G 7082 & 15-6-09 - Forwards Rs 30 received with Sl 14 & requests acknowledgment |
| 16. | To the Compiler Gazette - No G 7083 & 15-6-09 - Notifies the filing of the Specification in question - |
| 17 | To Messrs Remfry & Son - No G 7084 & 15-6-09 Forwards copy of Sl 16 & also returns Sl 12 with the necessary certificate - |
| 18. | To the Chief Engr. the State Geologist & the Supdt Gal Museum - No G 7085-7 & 15-6-09 Forwards a copy of the Specification & requests acknowledgment - |

NOTE—Contn. sheet.

G. R. S. 12]
General and Revenue Secretariat.

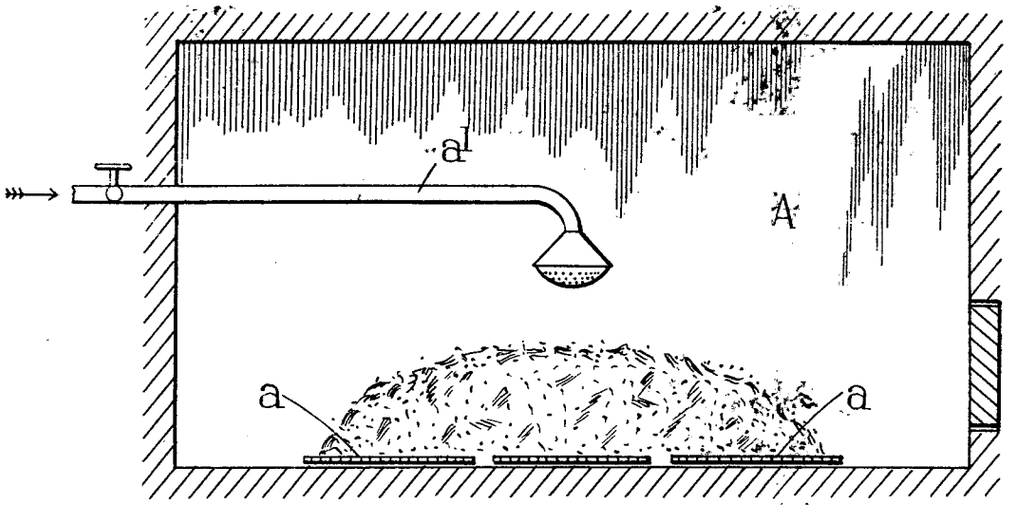
G & R File No. 269 of 190 8-09

| Serial No. | |
|---|---|
| 19 | Officer in charge of State Hqrs Dy No 654 d 15-6-09<br>Acknowledges the receipt of Rs 30 sent with R 15 above.<br>15: This file will be kept in Secy file the accts are received from the Chief Engr State Geologist & the Supt of Govt Museum.<br>(Sd) 17.6.09 VS. Subd Dy 18/6 |
| 20 | Fr. the Chief Engineer No 4741 d 18.6.09<br>Acknowledges the receipt of a copy of the Specification sent with R 18 above |
| 21 | Fr. the Supt Govt Museum. No 236 d 21.6.09<br>— Do — |
| 22 | Fr. the State Geologist. No 2955 d 22.6.09<br>— Do —<br>Now this file may be ordered to be filed<br>(Sd 26.6.09) VS. Dy 26.6.09 |

NOTE—Contn. sheet.

GPB—50.000—18-5-08

Fig. 1.



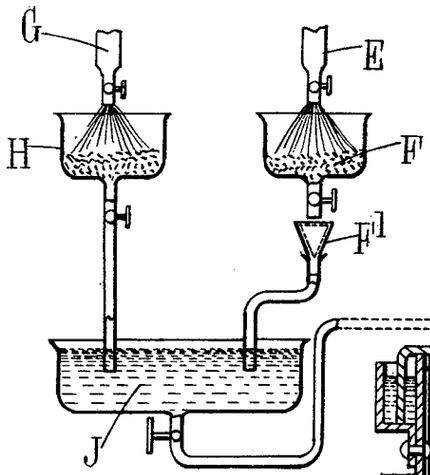




Fig. 2.

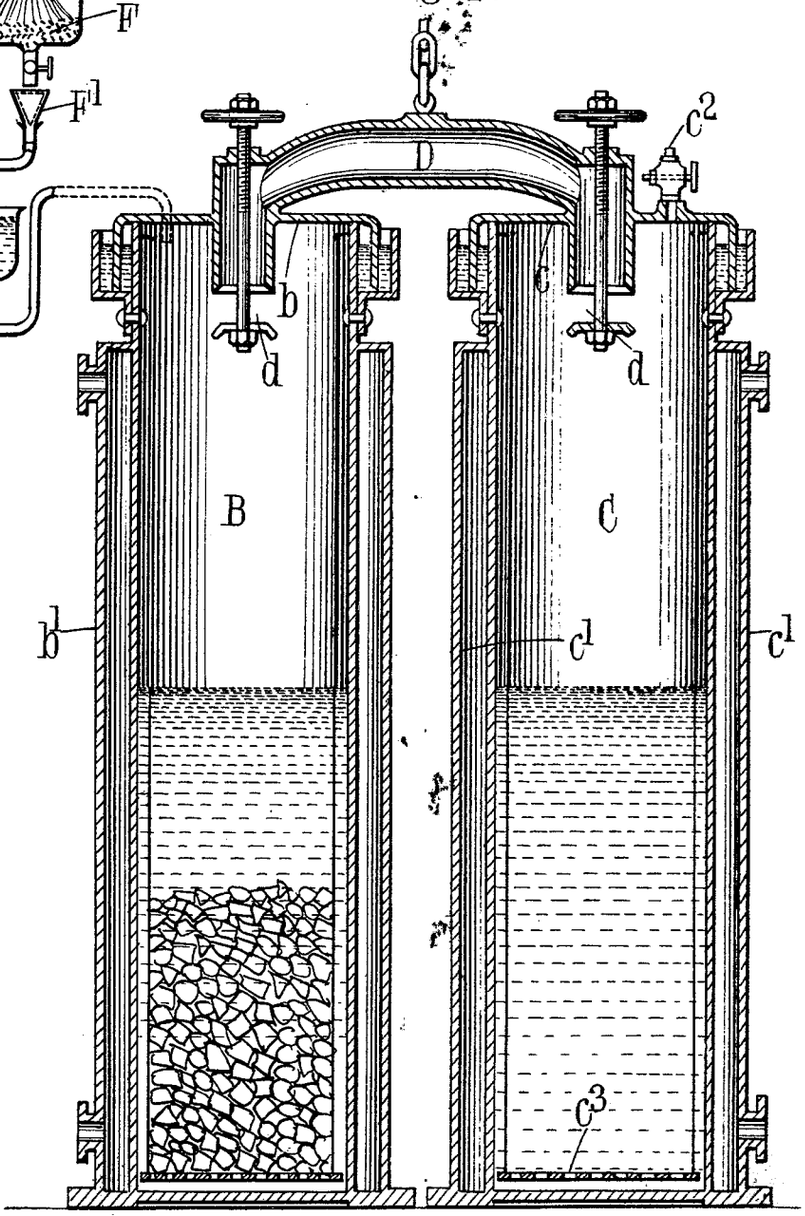
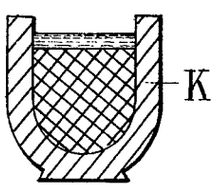



Fig. 3.



12/-/-

Remfry & Son.

Application filing Fee
& Power & Assignment
stamping of Blum &
Carpenter. Case 2.

11

2) Copied please see Cover

[illegible]

III
20/3
Dr Br V

G.R.S. 29A]

4 Offs

190 12

**From**

**Secy. to the Govt. of His Highness the Maharaja of Mysore, Genl. and Rev. Dept.**

To

The officer in charge of State Hugus Dy

Dated .

Despatched 19.3.05

Received 53/8

General No. 4269-08-2

No.

Enclosure No. 4 10

Has the honor to remit herewith Rs 10 (ten only) being the fee for an application for leave to file a Specification in respect of an invention for improvements in and relating to the manufacture of artificial Para Rubber received from messrs Remfry and Son of Calcutta on behalf of messrs John Blum of Brussels, Belgium

13

and A. W. Carbenter of

London and to request

an acknowledgment

B. O.

Copy

For Sloq Leg

Cons 13/173

In Gordian Lette
please Let the
Money Order issue
W
2/3
Robert

X

4 offs

G.R.S. 29A]

190 14

From

**Secy. to the Govt. of His Highness the Maharaja of Mysore, Genl. and Rev. Dept.**

To The Supdt of Stamps in Mysore

Dated 19.3.09

Despatched

Received 23-3-19

General No. Fin 269-08-3

No.

Enclosure No. 2 Adj 1-8-0

---

Has the honor to forward herewith two documents being an assignment deed and a power of Attorney

* one rupee eight annas with Rs 2 towards the stamping

(see Received on 8th March) from Messrs Remfry & Sons Solicitors and Patent Agents of Calcutta and to request that the same may be returned with Mysore Stamps of Rs this Mice

BC
SH
for Mysore

* one rupee for the power of Attorney stamp
* eight annas for the Assignment deeps

Cowdy
17/3

MGCPB—20,000—16-2-05

20 Cosbird
Please see the
Comptroller's letter
Remitted - letter enclosed herewith
To be dealt with on receipt of return as 8 - no communication
to be sent

G.R.S. 26]

17

File No. 265 -of-

Serial No 5

Diary No. of letter replied to

No. 45021

General and Rev. Secretariat

( )

, the 190 .

To

Messrs Remfry and Son
Solicitors and Patent Agents
8. Hastings St Calcutta

Date of issue 15. JUN 09

Signed by for E.S. Blechynden

Gentlemen,

In acknowledging the receipt of your letter dated the 2nd March 1909 forwarding an application of Messrs John Blum and Alfred William Carlenter, for leave to file a specification in respect of an invention for "Improvements in and relating to the manufacture of artificial para Rubber", I am directed to enquire whether any application

over.

SUBJECT.

3187

6 | Extract patent from the Law
Enrolment has been made, and patent obtained
in British India and
if so to request that an authenti-
cated copy of the order of that Govt.
may be furnished to this
Office very early

2 Copies

For Secy of State

"2. As the stamp duty required in this case for the assignment deed to be stamped with Mysore stamps is only 8 as, the remaining annas 8 annas deposited with the H.O. Commission one anna is returned today by Postal Money order. No. 1524 dated 20.3.09.

List of enclosures,

Copied by KB 17/3

Examined by

MGCPB—20,000-19-12—04.

G Dr 269 of 1908-09 &c

19

No. 302 Cashier's C.V. Dr. 4091 Rs. 20-

Received from The Secretary to the Government of His H
the Maharaja of Mysore General & Revenue Dep

the sum of Rupees Twenty only being fee received
Messrs Remfry & Sons of Calcutta & credited to
Vide his nos Cy 5318 & Cy 5322 dated
Gr Dr 269-08-2 Gr Dr 270-08-2

H. H. THE MAHARAJA'S STATE HUZUR TREASURY,
BANGALORE 20-3-1909

By ~~Order~~,

Exd.

Hd. Acctt. ~~Baksh~~ Treasury Officer, State Huzur Treasury.

This belongs to Br V & may be sent there.

25/3

25/3

2/3/T

Vyrb D. 6030 (20)

1909

G. Sr. 269-08-09
87.

From K Krishna Iyer, Esqr

~~The~~ SUPERINTENDENT OF STAMPS
IN MYSORE, BANGALORE.

To The Secretary to the
Government of His Highness
the Maharaja of Mysore
General and Revenue Depts.

Dated 20th

Despatched March/09

Received

General No. 195
No.

Enclosure Nos. Four

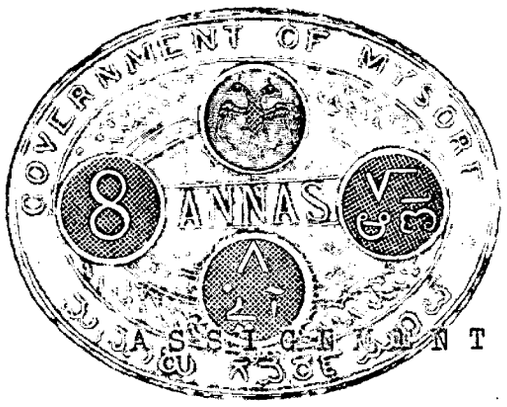
Sir,

I have the honor
to return herewith duly
Stamped the two assignment
Deeds & the two Powers of
attorney received with your
Nos. G. S. 319/G. Sr. 269-08-3
& G. S. 323/G Sr 270-08-3
dated 19th March 1909 and
to request the favor of an
acknowledgment.

I have the honor to be
Sir
Your most obedient Servant

K Krishna Iyer
Superintendent of Stamps
in Mysore

a/f




4

82s

WHEREAS I, JOHN BLUM, of 7, Rue St. Boniface, Brussels, in the Kingdom of Belgium, Doctor of Chemistry, am in possession of an Invention for "Improvements in and relating to the manufacture of artificial Para rubber": NOW THEREFORE KNOW YE that for and in consideration of the sum of five shillings to me in hand paid, the receipt of which is hereby acknowledged, I the said JOHN BLUM, have assigned and transferred and by these presents do assign and transfer unto ALFRED WILLIAM CARPENTER of 28 Bedford Street, London, England, Banker, his executors administrators and assigns one half of the whole right, title and interest in and to Letters Patent to be obtained for the said invention from the Government of Mysore, and all and singular the liberties, powers, privileges, and advantages, whatsoever appertaining or belonging thereunto, the same to be held and enjoyed by the said ALFRED WILLIAM CARPENTER his executors administrators and assigns for the full term for which such Letters Patent may be granted, or any prolongation or extension thereof as fully and entirely as the same could have been held and enjoyed by me had this assignment not been made.

IN WITNESS whereof I, the said JOHN BLUM have hereunto set my hand and seal this twelfth day of December 1908.

John Blum

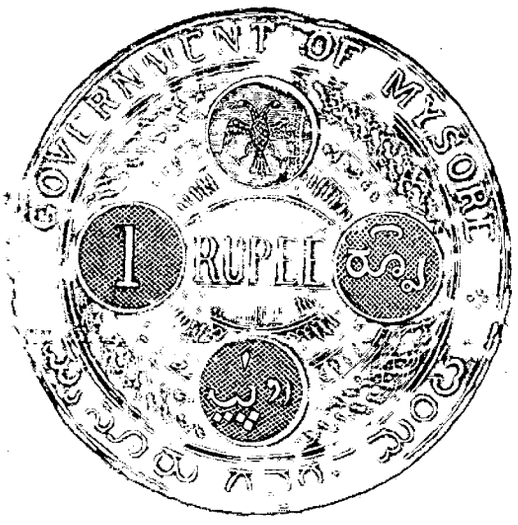
Signed, Sealed and Delivered )
in the presence of:- )

Frank L. Ball
Solicitor
37 Cursitor Street
London

Harold Lake
Chartered Patent Agents
7 & 8 Southampton Buildings
London.

1 Re

22




POWER OF ATTORNEY.

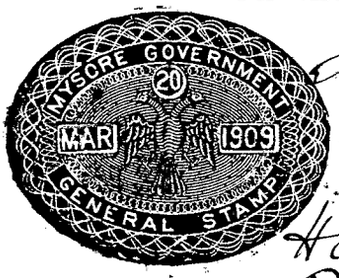
IN THE MATTER of the Inventions and Designs Regulation 1894, of the Government of Mysore and in the matter of JOHN BLUM, of 7 Rue St. Boniface, Brussels, in the Kingdom of Belgium, Doctor of Chemistry, and ALFRED WILLIAM CARPENTER, of 28 Bedford Street, London, England, Banker, Inventors.

We, the abovenamed JOHN BLUM and ALFRED WILLIAM CARPENTER do hereby retain, constitute and appoint HENRY HAMILTON REMFRY and RUPERT REMFRY, Solicitors, and HAMILTON GREEVES REMFRY, Patent Agent all of Calcutta as our Agent and Attorney to apply for and obtain from the Government of Mysore, an Exclusive Privilege or Letters Patent for "Improvements in and relating to the manufacture of artificial Para rubber" and we authorise them to sign our names to such papers and writings and do such acts regarding the same, including the appointment of a substitute or substitutes, as may be necessary or expedient.

Dated this twelfth day of December 1908.

SIGNED SEALED AND DELIVERED
AT Montreux, Switzerland
in the presence of:-

John Blum
Alfred William Carpenter




Frank L. Ball
Solicitor
37 Cursitor Street
London

Harold Dale
Chartered Patent Agent
7-8 Southampton Buildings
Chancery Lane
London.

Marcel Lucerod
Notaire

C.V. 946/07.

V4/7/13 1908 - 09.

From G. H. Krumbiegel, Esq.,
Economic Botanist,
Superintendent,
Government Gardens.

To K.S.Chandrasekhara Iyer, Esq., B.A., B.L.,
Secretary to the Govt. of H.H.the Maharaja of Mysore,
Genl. and Revenue Departments

Dated 26th March, 1909

Despatched

Received

General No. 575

No.

Enclosure No. 1 File.

Sir,

In returning the specification respecting an invention for the -- improvements in the manufacture of Para Rubber received from Messrs Remfry & Son. on behalf of Messrs John Blum and A.W. Carpenter, I have the honor to report that to my --- knowledge there is nothing in our Invention and Designs Regulations to prevent the filing of the patent in question.

The process sought to be patented is however of a kind many similar ones of which have failed and its utility or practicability may reasonably be doubted.

The description (para 2 of --- application) is not carefully drawn up —— for instance what is described as Figure 3 in the description is - shown

shown as Figure 4 in the drawing F & E or similarly mixed up.

I have the honor to be,

Sir,

Your most obedient servant,

Economic Botanist,

Superintendent.

Gm 28

V 4 2 14

Office of the Mycologist & Entomologist,
Government of Mysore,
Bangalore, L6th April 1909.

Gm 2695 1908-09 & u.

CV.
4695—

From

Leslie C. Coleman, Esq., M.A., Ph.D.,
Mycologist & Entomologist to the Government of
His Highness the Maharaja of Mysore, Bangalore,

To

The Secretary to the Government of
His Highness the Maharaja of Mysore,
Genl. and Rev. Departments, Bangalore.

Sir,

With reference to your docket No G. 5789/G.M.269-08-10 of 12th April 1909 enclosing a copy of specifications in respect of an invention for " Improvements in and relating to the manufacture of artificial rubber, I beg leave to state that while I am unable to say whether the process described will produce a substance in any way similar to rubber the scientific inaccuracies in the description of what is supposed to take place in the process do not convey a very favorable impression. For instance I can find no reference in any of the works on this subject to any ferment similar to the one mentioned on page 2 of the specifications. I presume that by ferment is meant a form of yeast or of bacteria. In any case the high teperature ( 160° F ) mentioned would inhibit the growth of any yeast and would almost certainly do the same if bacteria were present.

The statement on page 4 " During this period a flame must not be brought near the chamber nor must any one enter without first spraying water into it because of the carbonic acid which is evolved in large quantities during the treatment " is absurd for the reason that carbonic acid is not even to the slightest degree inflammable but on the contrary would extiguish a flame

30

# A P P L I C A T I O N

TO THE DEWAN OF MYSORE.

The Application of JOHN BLUM, of 7 Rue St. Boniface, Brussels, in the Kingdom of Belgium, Doctor of Chemistry, and ALFRED WILLIAM CARPENTER of 28, Bedford Street, London, England, Banker, for leave to file a Specification under Part I of the Mysore Inventions and Designs Regulation, 1894.

1. The Applicants are in possession of an Invention for "Improvements in and relating to the manufacture of artificial Para rubber" the said JOHN BLUM is the inventor thereof; and, to the best of their information and belief, the Invention is new within the meaning of Part I, of the Inventions and Designs Regulation 1894, and no circumstance exists, which, if the Applicants are authorised to file a Specification and file it in accordance with that Part, will disentitle them to an Exclusive Privilege thereunder in respect of the Invention.

The Applicants have not applied for a Patent in the United Kingdom in respect of the Invention.

2. The following is a description of the Invention:-

SOLICITORS & PATENT AGENTS
REMFRY & SON.
CALCUTTA.

This invention relates to the manufacture of artificial or synthetic para-rubber, that is to say a material having physical properties similar to those of Para rubber.

An important feature of the invention consists in the fermentation of vegetable matter, such as turf or peat, under such conditions that it is converted in part into a glutinous hydrocarbon mass having the chemical formula $(C_5 H_8)_4$. For this purpose a convenient quantity of the turf or peat, together with water and the ferment which is present in imperfectly formed caoutchouc or a ferment which is identical with a ferment capable of producing the higher alcohols of the olifines, are heated to a temperature not exceeding one hundred and sixty degrees Fahrenheit ($160^{\circ}F$) in the absence of air and preferably of light, and are at the same time subjected to the action of a deoxidising substance, such for example as zinc or other suitable metal, whereby the alcoholic product that tends to form as a result of the fermentation is prevented from actually forming or is immediately reduced or deoxidised to the hydrocarbon mass above referred to. The hydrocarbon mass can be produced, though less successfully, by performing the deoxidation after the fermentation has been completed. In the treatment of the vegetable matter such as turf or peat a suitable quantity of a saccharine substance, or bullion containing saccharine-like matter, may be added to the ferment.

When the maximum amount of the hydrocarbon mass has been obtained from the vegetable matter and it is

desired to make from the said mass artificial Para-rubber, the hydrocarbon mass may be transferred with as little exposure to the air as possible to a tank containing water to which certain mineral salts have been added, and in which is suspended the red nitrogenous substance extracted from Haut Congo Rouge Rubber, known to rubber merchants, or from analogous sources such as certain plants of the vine family occurring in the Congo district. This tank is then heated in any appropriate manner, such as by passing steam through a steam jacket surrounding the said tank, and is afterwards allowed to cool. The substance that results from this treatment of the hydrocarbon mass floats upon the surface of the liquid and is crude Para-rubber. To purify it, it may be run off through a pipe into a second tank containing water and a small quantity of alcohol or methylated spirits. The purified rubber can then be transferred into suitable vessels such as earthenware pots and covered with a thin layer of petrol or the like which softens or partially dissolves the rubber, thus rendering it sufficiently plastic to be readily and easily moulded into any required shape.

The kind of turf or peat that can be purchased in the form of bales in many parts of the world, particularly in Belgium and Holland, can be satisfactorily used in carrying out the invention. In the accompanying drawings there is shewn diagrammatically one arrangement of plant for carrying out the invention, and in describing this plant and the method of operation, definite proportions of the substances employed are stated by way of example.

Figure 1 represents the fermenting chamber

Figure 2 the tanks or cylinders in which the product of the fermentation is treated as hereinbefore described, and

Figure 3 a pot or vessel in which the purified product is stored.

The floor of the fermenting chamber A is lined with zinc sheets a and about a ton of the turf or peat is spread thereon. The turf should not originally contain more than about fifteen per cent (15%) of moisture. A weight of water equal to that of the turf is then sprayed by suitable means such as indicated at a' over the said turf as it lies in the fermenting chamber, and six fluid ounces of the ferment hereinbefore mentioned, and about five gallons of warm water, in which one pound of sugar is dissolved, are then added for each ton of turf. The chamber is then closed, and kept at a temperature of about one hundred and forty degrees Fahrenheit (140° F.) but not higher than one hundred and sixty degrees Fahrenheit (160° F.) for three weeks. During this period a flame must not be brought near the chamber, nor must any one enter without first spraying water into it because of the carbonic acid which is evolved in large quantities during the treatment.

The subsequent treatment is effected in two cylinders B and C connected through their covers b and c respectively by a pipe D and each enclosed in a steam jacket b' c' respectively. These cylinders may conveniently be about twenty feet high and between three and four feet in diameter. The cylinder

B is half filled with water, and 1·8 parts by weight of the red grain nitrogenous substance conveniently obtained by disintegrating and grinding Haut Congo Rouge Rubber is added thereto. To this cylinder a solution of mineral salts is also added. This solution may be prepared by dissolving seventeen (17) ounces of common soda contained in a vessel E by pouring sufficient warm water thereon from a supply F to dissolve it and filtering it in a filter F', and by pouring hydrochloric acid from a supply G on twenty one and a half (21½) ounces of chalk contained in a vessel H until effervescence ceases, and then mixing the two solutions thus obtained in a vessel J. The other cylinder C is half filled with water, and three (3) gallons of methylated spirits are added thereto.

The turf or peat in the fermenting chamber A after being treated as above described for three weeks will be found to be covered with a layer of mouldy material, and below this the hydrocarbon mass is to be found. This hydrocarbon mass is collected and transferred to the cylinder B containing the extract from the Haut Congo Rouge Rubber, the covers of the cylinders B and C having been removed by raising them. If the addition of the hydrocarbon mass does not fill the cylinder B, sufficient water should be added to do so. The covers are then replaced and steam is passed through the steam jacket b' of this cylinder, and the contents are kept boiling for about four hours. The cylinder B and its contents are then allowed to cool. The cylinder C is also heated sufficiently to evaporate some

of the water and methylated spirits, and the outlet $c^2$ of the cylinder is then closed and the latter allowed to cool, the result being that the vapours in the cylinder condense and thereby produce a partial vacuum.

As the contents of the cylinder B cool, the product resulting from the mixing of the hydrocarbon mass with the Congo Rouge Rubber extract and with the mineral salts in solution, collects at the top of the cylinder, the heavier matter sinking to the bottom. This floating mass is the artificial Para-rubber desired. To purify it, the valves d d in the connecting pipe D between the two cylinder covers are opened, and the liquid or semi-liquid floating product passes through into the cylinder C, destroying the partial vacuum therein; the valves are then closed again. The extent to which the pipe D dips into the cylinder B may be regulated to correspond to the quantity of the product expected to result from the treatment therein. The water and methylated spirits in the cylinder C cleanse this product. To remove the product, which will be found in a more or less solid state at the top of the cylinder C when the latter has sufficiently cooled, the covers b and c are again removed and the false bottom $c^3$ is lifted out, bringing the product with it, but leaving the liquid behind. The solid residues in the cylinder B can be removed in a similar manner. The product of artificial Para-rubber can finally be pressed into earthenware pots or other suitable vessels such as K as hereinbefore described. The quality of the rubber so produced improves considerably if kept for about six months.

4. For use in the manufacture of artificial or synthetic Para-rubber, the hereinbefore stated glutinous hydrocarbon mass obtained substantially as hereinbefore described.

5. The manufacture of artificial or synthetic Para-rubber by the method and in the manner substantially as hereinbefore described with reference to the accompanying drawings.

6. Artificial or synthetic Para-rubber manufactured substantially as hereinbefore described.

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3. The Applicants, therefore, apply for leave to file a Specification of the Invention pursuant to Part I of the Inventions and Designs Regulation 1894.

John Blum
Alfred William Carpenter

We, the Applicants abovenamed, do declare that what is stated in the above Application is true to our knowledge, except as to matters stated on information and belief, and as to those matters we believe them to be true.

Dated this twelfth day of December 1908.

John Blum
Alfred William Carpenter

Fig.1.

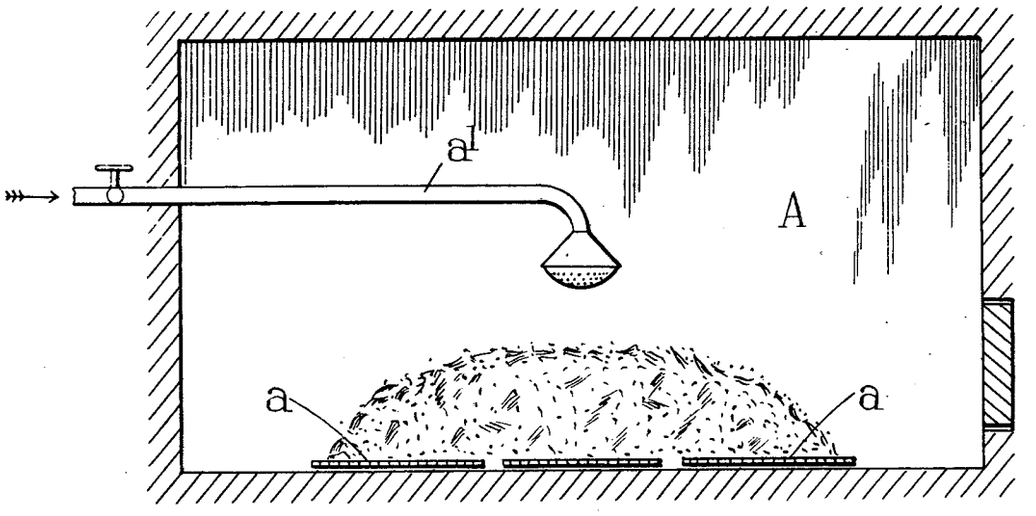



Fig.3.

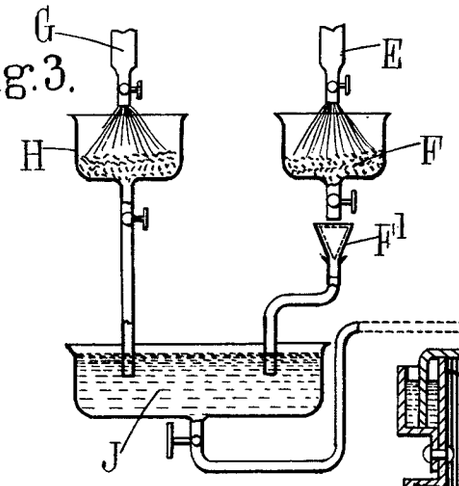



Fig.2.

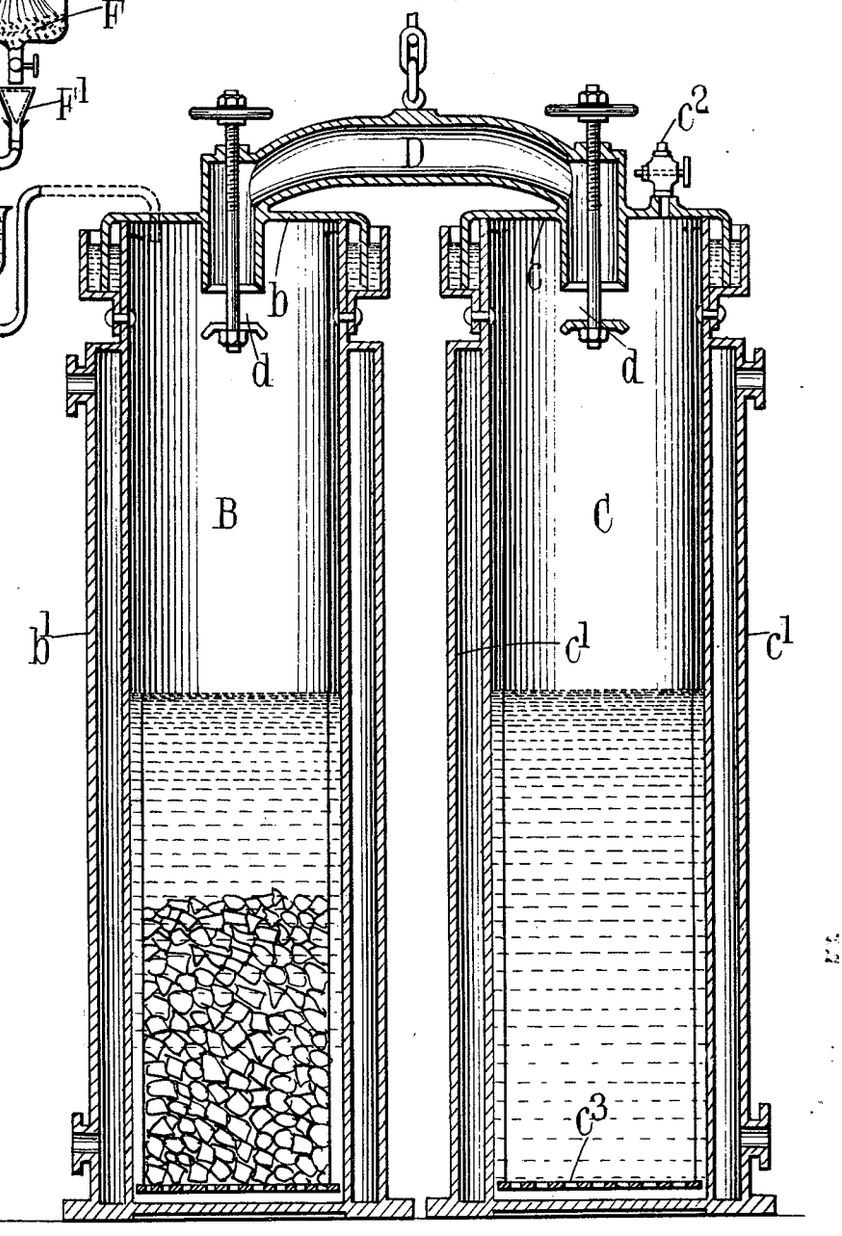
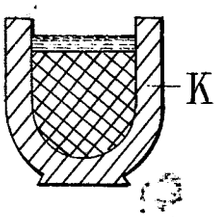



Fig.4.



Ag 6235 (40) 31-5-09 ab.
Gm 269-0812

GOVERNMENT OF MYSORE

# General Department.

**Register No.** 12 **of 1908-09**

*Bangalore, the* 1.5. 1909

WHEREAS an application, dated the 12th December 1908 and received on the 8th March 1909, has been submitted under Section 5 of the Mysore Inventions and Designs Regulation, 1894, by Messrs John Blum of 7 Rue St. Boniface, Brussels in the Kingdom of Belgium, Doctor of Chemistry, and Alfred William Carpenter, of 28 Bedford Street, London, England, Bankers, (hereinafter referred to as "the applicants") for leave to file a specification of an invention for "Improvements in and relating to the manufacture of Artificial Para Rubber"

And whereas the applicant has duly complied with all the requirements of Section 5 of the said Regulation;

The Government of Mysore are pleased, under Section 6 of the said Regulation, to authorize the applicant to file a specification of the said invention in accordance with the provisions of the said Regulation.

ORDERED, that the applicant be, and he is hereby, informed accordingly.

By Order of the Government of Mysore,

CSB 2/14

*for Secretary to the Govt. of Mysore,*
*Gen. and Rev. Depts.*

---

Certified that the fees prescribed in the fourth schedule to the Mysore Inventions and Designs Regulation, 1894, in respect of the application for leave to file the said specification and of the filing thereof have been paid by the applicant, and that the specification hereinbefore described has been duly filed in accordance with the provisions of Section 8 of the said Regulation on this the thirty first day of May 1909.

*for Secretary to the Govt. of Mysore,*
*Gen. and Rev. Depts.*

VS

WL 30/4

41



*(Section 8 of the Inventions and Designs Regulation, 1894.)*

8. (1) If within six months from the date of an order under Section 6, Sub-Section (1), or within such further time, not exceeding three months, as the Government of Mysore, in its discretion, may, on cause shown to its satisfaction and on payment of the fee prescribed in that behalf in the fourth schedule, see fit to allow, the applicant causes a specification of his invention to be filed in manner by this Part required, and the fee prescribed in the fourth schedule in respect of the filing of the specification to be paid, the applicant shall, subject to the other provisions of this Part, be entitled to the exclusive privilege of making, selling and using the invention in the Territories of Mysore, and of authorizing others so to do, for a term of fourteen years from the date of the filing of the specification.

(2) But an exclusive privilege in respect of an invention of a new manufacture shall, notwithstanding anything in Sub-Section (1), cease, if the inventor fails to pay, within the time limited in that behalf by the fourth schedule, any fee prescribed in that schedule in respect of the continuance of the privilege.

(3) If, nevertheless, in any case, by accident, mistake, or inadvertence, an inventor fails to pay any such fee within the time so limited, he may apply to the Government of Mysore for an enlargement of the time for making the payment.

(4) Thereupon the Government of Mysore may enlarge the time accordingly, on payment of the fee prescribed in that behalf in the fourth schedule, and subject to the following conditions, namely :—

(*a*) the time for making a payment shall not in any case be enlarged for more than three months ; and

(*b*) if any suit is instituted in respect of an infringement of the exclusive privilege committed after a failure to make a payment within the time limited for the making thereof and before the enlargement of that time, the Court disposing of the suit may, if it thinks fit, refuse to award or give any damages in respect of the infringement.

GPB—500—7-4-09.

4495

4

G.R.S. 26]

File No. 269

Serial No. 13

*Diary No. of letter replied to* _____

No. 96236 (Encl 1)

General and Revenue Secretariat

( )

, *the* 190 .

To

Messrs Remfry and Son
Solicitors and Patent Agents
Calcutta

Date of issue 1.5.09

Signed by Jas C.S. Balasundaram
Iyer

Gentlemen

With reference to your letter dated the 1st 2nd March 1909 forwarding an application of Messrs John Blum of 7 Rue St. Boniface, Brussels, in the Kingdom of Belgium, Doctor of Chemistry, and Alfred William Carpenter of 28 Bedford Street, London, England, Banker, dated the 12th Decr 1908, for leave to file a specification in respect of an invention for "Improvements in and relating to the manufacture

*ver.*

SUBJECT.

MC. 30/4

43

of Artificial Para Rubber",

I am directed to enclose

Gt. No. order No. 96235
Gm 269-08-12

dated the 1.5.05

issued in the name of the

Applicants and to request

that the order may be

communicated to them

and its receipt by you

and acknowledged

Patent Office

I have &c

Secy

* Invention Regulations No 12 of 1908 cl 7.

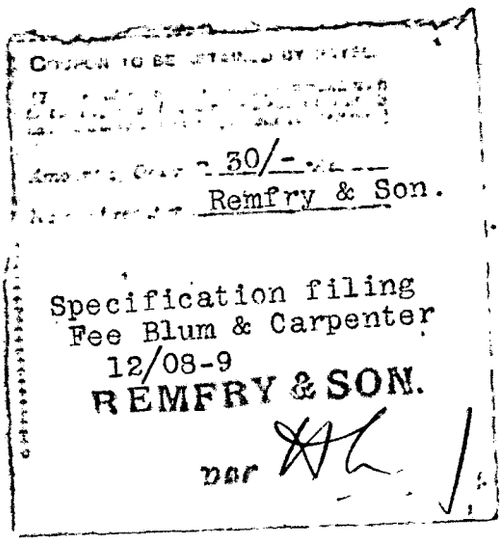
*List of enclosures*

*Copied by*

*Examined by*

MGCPB—30,000—16-2-05

45


Amount £ 30/-
Remfry & Son.
Specification filing
Fee Blum & Carpenter
12/08-9
REMFRY & SON.

31/5/09

3 Rs. 30 & Cover in
3 Draft
Ad
15/6
2 Rs. 5082

G.R.S. 29A]

46

31-5-09

190

**From**

**Secy. to the Govt. of His Highness the Maharaja of Mysore, Genl. and Rev. Dept.**

To

The Officer in charge of
State Papers Dep

Dated

Despatched 15-6-09

Received G 7082/8m

General No. 269-08-15

No.

Enclosure No. Rs 30

Has the honor to remit herewith Rs 30 (Thirty only) being the fee paid by Messrs Remfry and Son, Solicitors and Patent Agents, of Calcutta for filing a specification in respect of an invention for "Improvement in and relating to the manufacture of Artificial para Rubber", and to request that the same may be credited to the Dep^t on account receipts due to this Office

O.B.O.

Ad
15/6

MGCP—10,000—16-2-05.

15

3

47

MYSORE GOVT, GEN. & REV. SECRETARIAT,

No. Dated Bangalore, 15-6 1909

Q 7083
for 269-08-16

## NOTIFICATION.

(PATENT.)

The following specification of an invention has been filed in accordance with Sections 8, 9, 10 and 11 of Regulation XI of 1894 (The Inventions and Designs Regulations) and is open to inspection at the Mysore Government Secretariat on application to the Secretary to the Government of His Highness the Maharaja of Mysore, General and Revenue Departments, and on payment of a fee of one Rupee.

By Messrs John Blem of 7 Rue St-Boniface Brussels in the Kingdom of Belgium Doctor of Chemistry, and Alfred William Carpenter, of 28 Bedford Street London, England, Banker.

"Improvements in and relating to the manufacture of Artificial Para Rubber".

By Order,

Secretary.

To

The Compiler, *Mysore Gazette*, for publication.

VS

ad 1/6

48

No. G 7084
Fin 269-08-17
Cu two

MYSORE GOVT. GEN. & REV. SECRETARIAT,
*Dated Bangalore,* 15-6-1909.

*From*

*The Secretary to the Government of H. H. the Maharaja of Mysore,*
*General and Revenue Departments.*

To

Messrs. Remfry and Son
Solicitors and Patent Agents
Calcutta

Gentlemen ~~Sir~~,

With reference to your letter dated the 26th May 1909, I am directed to forward copy of a Notification No. G. 7083/Fin 269-08-76 dated 15-6-09 issued by this Government in regard to the invention filed by you under Regulation XI of 1894 (The Inventions and Designs Regulations.)

The order granting permission to file specification is herewith returned, with the certificate at foot, duly filled in and signed, for communication to the parties concerned.

I have the honor to be,
Sir,
Your most obedient servant,

for Secretary.

ad
17/6

Q. M. 269 of 08-09
dl 19.

50

MYSORE GOVERNMENT

No. 1654 Cr. Calcutta 4/6/16 Rs 30-

D 5323

**Received From** the Secretary to Government, General and Revenue Department,

**the sum of Rupees** thirty only, being the fee

levied by Messrs Rampay & Son of Calcutta for filing a Specification in respect of manufacture of Para Rubber and credited this day. Vide, Hrs No. Q. 7082/Qm 269-08-15 dated today.

H. H. THE MAHARAJA'S STATE HUZUR TREASURY,
BANGALORE, the 15 June 1916

~~BY ORDER,~~

Exd.
Hd. Acctt. ~~Bakshi~~ Treasurer

Treasury Officer, State Huzur Treasury.

B 5389

No. 4741

MYSORE P. W. DEPARTMENT.

CENTRAL OFFICE,

*Bangalore,* 18th June 1909. *190*

*From*

W. McHUTCHIN, ESQ., M.I.C.E.,

*Chief Engineer of Mysore,*

*Bangalore.*

Gen 269/1905-09

*To*

The Secretary to the Government

of His Highness the Maharaja of Mysore,

General and Revenue Departments,

SIR, BANGALORE.

I have the honor to acknowledge the receipt of a copy of the specification in respect of an invention for " Improvements in and related to the manufacture of artifi--cial Para rubber " filed by Messrs: John Blum of 7 Rue Street Boniface, Brussels, in the Kingdom of Belgium and Alfred William Carpentor of Beiford Street, London, forwarded with your No. G. 7085-7 / Gen. 269-08-18 dated 15th instant.

I have the honor to be,

Sir,

Your most obedient servant,

For Chief Engineer of Mysore.

A.P.R.

GPB—2,500—24-9-07

190

MYSORE P. W. DEPARTMENT.

*No.*

*From*

THE CHIEF ENGINEER OF MYSORE,

*Bangalore.*

*To*

The Secretary to the Govt:

of Mysore, P.W.Department,

Bangalore.

*Dated Bangalore,* 18th June 1909.

*Despatched*

*Enclosure* *No.*

---

SUBJECT.

Acknowledging receipt of a certain copy of specification forwarded by him.

C V Nagpur D.5418

G.M. 269 of 1908-09
Sl 21

1909

From

G. N. Krumbiegel Esq.,
Supt., Mysore Govt. Museum.

To

C. S. Balasundram Esq. B.A.
Offg. Secretary to the Govt. of H. H. the
Maharaja of Mysore. Genl & Rev. Depts.

Dated 21st } June 09
Despatched — " }
Received

General No. 236 } 1908-09
No.

Enclosure No.

Sir

I have the honor to ac-
knowledge the receipt of a Copy
of the Specification of an invention
for "Improvements in and relate
to the manufacture of Artificial
Para Rubber" by Messrs. John Oslum
and Alfred William Carpenter, forwarde
with your No. G. 7085 / G.M. 269-08-18 dated the 15th inst

I have the honor to be

Sir

Your most obedt. Servant

GPB—500—20-2-09

Superintendent

M. G. D. 13]

MYSORE GEOLOGICAL DEPARTMENT,

DATED BANGALORE, 23rd June 1909.

No. 2935

G.M. 269 of 1908-09 & 22

*From*

DR. W. F. SMEETH, M.A., D.SC., A.R.S.M., etc.,
*State Geologist in Mysore.*

*To*

C.S. Balasundaram Iyer, Esquire, B.A.,
Offg. Secretary to the Government of His Highness the Maharaja of Mysore,
General & Revenue Departments.

SIR,

I have the honour to acknowledge the receipt of a copy of the specification in respect of an invention for "Improvements in and related to the manufacture of Artificial Para Rubber" filed by Messrs. John Blum of 7 Rue St. Boniface, Brussels, in the Kingdom of Belgium, Doctor of Chemistry, and Alfred William Carpenter of 28, Bedford Street, London, England, Banker, forwarded with your docket No.G.7085-7/G.M.269-08-18, dated 15th June 1909.

I have the honour to be,
Sir,
Your most obedient servant,

State Geologist in Mysore.

C.N.

GPB—8-9-09—300

From -

The State Geologist
in Mysore

To -

The Secretary to Govt.,
Gen. & Rev. Depts.

Acknowledges receipt
of copy of Specification
of an invention, forwarded
with his No G. 7085-7
Gen. 269-08-15
dy 15th June 1909.